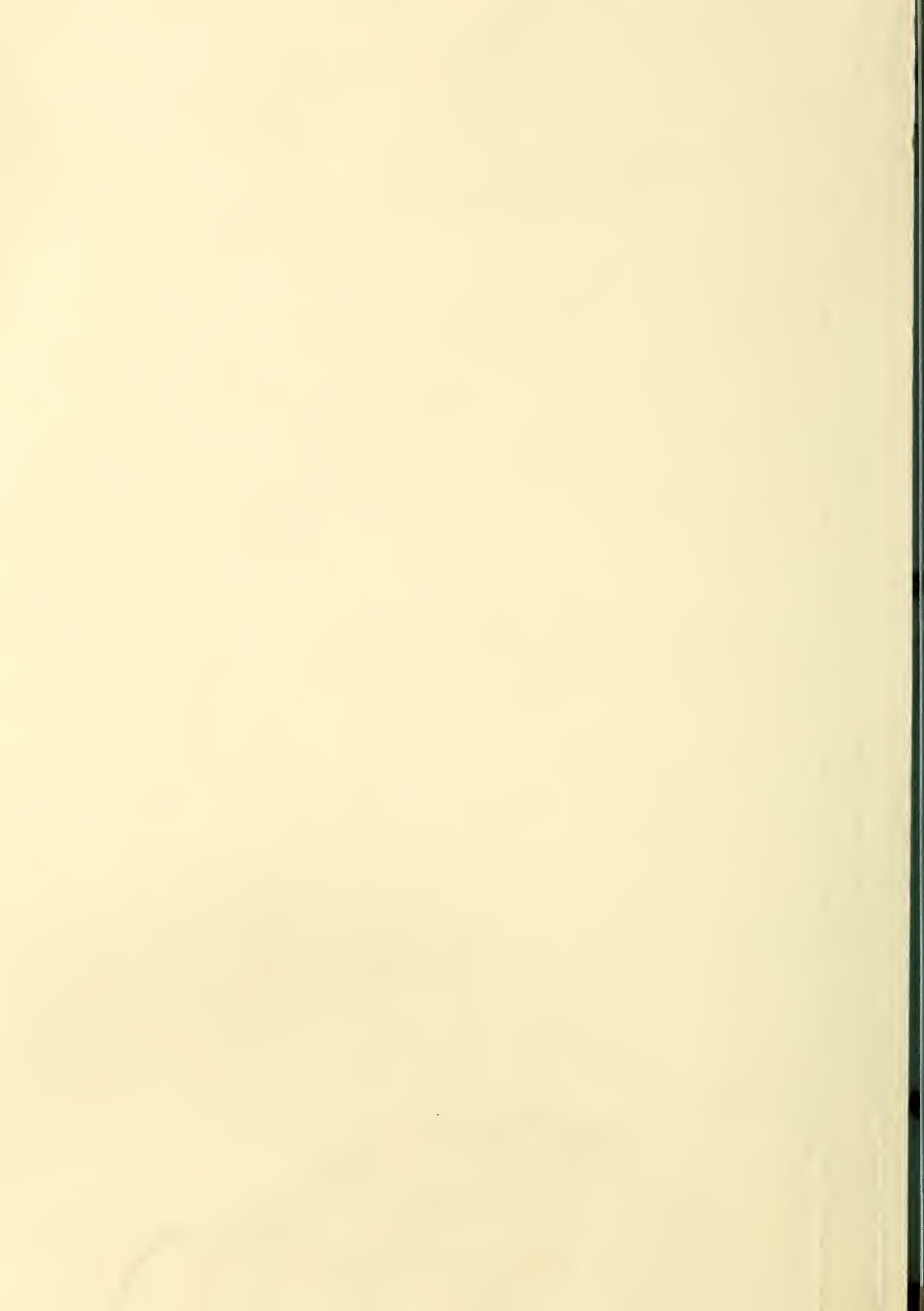


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No. 95

UNITED STATES DEPARTMENT OF AGRICULTURE  
Agricultural Marketing Service

cooperating with

IOWA DEPARTMENT OF AGRICULTURE  
Division of Agricultural Statistics

assisted by

Iowa State College Extension Service

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IOWA AGRICULTURAL STATISTICS

LOUISA COUNTY

\* \* \*

County Statistical Bulletin

No. 95

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Office of the Agricultural Statistician  
305 United States Court House  
Des Moines, Iowa

IOWA CROP AND LIVESTOCK REPORTING SERVICE  
Division of Agricultural Statistics  
Leslie M. Carl, Director

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IOWA DEPARTMENT OF AGRICULTURE  
Mark G. Thornburg, Secretary

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THE WORKS PROJECTS ADMINISTRATION  
George J. Keller, State Administrator

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IOWA STATE COLLEGE EXTENSION SERVICE  
R. K. Bliss, Director

# IOWA AGRICULTURAL STATISTICS - LOUISA COUNTY

County Statistical Bulletin No. 95

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## FOREWORD

The Iowa Crop and Livestock Reporting Service is the Iowa unit of a nation-wide organization which is entrusted with the responsibility of operating a standard statistical service for agriculture. The Division of Agricultural Statistics is a division of the Iowa State Department of Agriculture working in cooperation with the Agricultural Marketing Service of the United States Department of Agriculture. The year 1939 marked the one-hundredth anniversary of the collection of statistics of agriculture in the United States:

The general program of the Iowa Crop and Livestock Reporting Service is to meet the public needs and demands for summary data of an historical nature and for current statistical information of agricultural production in Iowa and the United States.

In recent years, there has been an increasing demand from agricultural organizations, commercial interests, teachers, legislators, and county, State and governmental agencies for agricultural data showing the trends of change in counties. Little has been done in the past to make available data for each county over an extended period of time. So urgent is the need for county data that some organizations have assembled such information at considerable cost. It is in response to these needs that this series is being issued.

The county data herein offered have been assembled from existing State and Federal documents and reports, under the supervision of Norman V. Strand, State-wide Work Projects Administration Supervisor of Agricultural Economics and Statistics projects. This is a report of work completed on Official Project 65-1-72-155 of the Work Projects Administration. Official Project 665-72-3-36 furnished the material for Tables 21 and 23.

The Iowa Agricultural Extension Service participated in the preparation of the materials in this report. Selected data from the files of the Iowa Agricultural Experiment Station have been released for publication in this series. Special credit is given to the Iowa assessors and tax officials who collect data on crops and livestock as required under the Iowa laws. Without these data by townships and counties detailed agricultural statistics would be less accurate and less complete.

Leslie M. Carl, Director  
Division of Agricultural Statistics

Des Moines, Iowa  
February , 1941



## IOWA AGRICULTURAL STATISTICS - LOUISA COUNTY

Louisa County, originally included in Demoin County, was established on December 7, 1836, by an act of the Wisconsin Territorial Legislature. 1/ When first established, it included parts of Washington, Henry and Des Moines counties. The present boundaries of the county were determined on January 12, 1839. It was named for Louisa Massey, a young woman in Dubuque who had recently shot a man who had helped to murder one of her brothers and was attempting to kill another when she put an end to his career.

The first white settler of the county seems to have been Christopher Shuck who made a claim near Toolesboro previous to 1834. William L. Toole, P. Harrison, W. Crayton, S. Smith, and L. Thornton settled near the mouth of the Iowa River in 1835. The county was formally organized by the election of its officers in 1837 and the county-seat was located at Wapello where a town was platted in 1838. This place, located on the site of an Indian village on the Iowa River, was named for Chief Wapello, an Indian Chief who once lived there. 2/

Wapello is one of the four Special Charter Cities of the State. The State Legislature issued its charter in 1856. Of considerable historical interest are the many remains of the Mound Builders which are found near the junction of the Iowa and Mississippi rivers. 3/

## Area

Louisa County has an area of 396 square miles, 4/ or 253,440 acres. Of this number, 233,156 acres are listed as farm land, 5/ There are twelve townships of various sizes in the county, and it ranks sixty-eighth in point of size in the State.

## Soils

The soils of Louisa County are grouped into 3 classes according to their origin and location; namely, loess, terrace and swamp and bottom-land. The loess soils cover 56.8 percent of the county and are divided into Clinton silt loam--17.0 percent, Tama silt loam--10.5 percent, Grundy loams--12.2 percent, Tama silt loam--10.5 percent, Putnam silt loam--0.2 percent, and Knox fine sand--0.3 percent. The terrace soils cover 18.1 percent of the county and are divided into Waukesha silt loam--4.2 percent, Buckner loams--7.2 percent, Buckner sands--1.7 percent, Bremer loams--4.0 percent, Bremer clay--0.5 percent, and Calhoun silt loam--0.5 percent. The swamp and bottom-land soils cover 25.1 percent of

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1/ Wisconsin Territorial Laws. 1836. No. 21, p. 50.

2/ Gue, B. F., History of Iowa. Vol. III, pp. 377-378. The Century History Company, New York City. 1903.

3/ Iowa, A Guide to the Hawkeye State. Compiled and written by the Federal Writers' Project of the Works Progress Administration for the State of Iowa. pp. 330-331. The Viking Press, New York City, 1938.

4/ United States Bureau of the Census. Fifteenth Census of the United States: 1930. Populations. Vol. I. pp. 362-363.

5/ United States Bureau of the Census. United States Census of Agriculture: 1935. Iowa. p. 14.



the area and are divided into Wabash loams--12.7 percent, Wabash clay--4.0 percent, Cass loams--6.1 percent, Cass sand--0.8 percent, riverwash--1.0 percent, and muck--0.5 percent. 6/

### Topography

The surface of Louisa County consists in general of 2 areas of upland plains and 2 belts of low bottom-land. One of the lowland belts, the Mississippi bottoms, occurs along the eastern boundary of the county; the other follows the course of the Iowa River and separates the 2 areas of upland plains.

The Mississippi bottoms are about 5 miles in width in the northern part of the county, narrowing gradually toward the south to township 74 where the width is about 2 miles, and then increasing in width toward the county boundary. These bottoms would practically all be subject to overflow were it not for levees. This area is, in general, slightly level to undulating. Along the Iowa River the lowlands vary from 2 to 6 miles in width. The first bottom strips, ranging from  $\frac{3}{4}$  to 2 miles in width are intersected by many sloughs and old oxbow lakes. Terraces or second bottoms occur in association with these bottom-lands and are found in 3 main areas--west of the Cedar River and north of the Iowa River, northeast and southeast of Fredonia, and northwest, west, south and southeast of Wapello. These terraces are generally elevated about 20 feet above the bottoms, rising abruptly to this height. The eastern upland area, east of the Iowa River lies about 100 feet above the lowlands. The surface, in general, slopes toward the east and is gently rolling. The western plain occupies the southwestern part of the county. Its eastern border terminates in bluffs along the Iowa River which vary from 75 to 125 feet in height. The bluff line is broken by numerous streams which make a rough surface along the lower course of the river, but in general the topography is gently rolling to rolling. Most of the drainage is accomplished by the Iowa River and its tributaries. 7/

### Climate

The ten year (1930-1939 inc.) average temperature of Louisa County was 49.7 degrees. 8/ The average precipitation for 33 years (1898-1930) was 31.02 inches and the growing season was 172 days between the average killing frost dates of April 24 and October 13 for 14 years (1916-1930). 9/

### Population

The Territorial Census of 1840 listed 1,927 inhabitants in Louisa County. This number had grown to 4,939 by 1850. The growth from that time forward was quite steady until the peak year of 1900. The county has a density of 29 persons per square mile, as compared with the State density of 44.

- 
- 6/ Iowa Agricultural Experiment Station. Soil Survey of Iowa, Louisa County. Soil Survey Report No. 21: 10-11. 1921.
- 7/ Ibid. pp. 8, 9, 10.
- 8/ Reed, Charles D., Sr. Meteorologist, United States Weather Bureau. Des Moines, Iowa. Unpublished data.
- 9/ United States Weather Bureau. Climatic Summary of the United States from establishment of stations to 1930, inclusive. Section 52--Eastern Iowa. pp. 24, 27. 1933.



The following table lists the number of inhabitants recorded at 10-year intervals:

<u>Year</u>	<u>Inhabitants</u>	<u>Urban</u>	<u>Rural</u>
1850	4,939	-	-
1860	10,370	-	-
1870	12,877	-	-
1880	13,142	-	-
1890	11,873	-	-
1900	13,516	4,220	9,296 <u>10/</u>
1910	12,855	4,979	7,876
1920	12,179 <u>11/</u>	4,889 <u>12/</u>	7,290
1930	11,575 <u>13/</u>	4,810	6,765
1935	-	-	6,362 <u>14/</u>

In 1930 the foreign born and native white inhabitants of foreign born or mixed parentage totaled 1,517, or 13 percent of the total population. Of this number, 570 were of German descent, 206 were of Welsh descent, and 117 were of Swedish descent. Other nationalities had only small representations. 15/

#### Cooperatives

In 1937, there were 5 cooperative institutions in operation in this county-- 1 elevator, 1 creamery, 2 livestock enterprises, and 1 petroleum plant.

As a whole, they had 587 members, of which 536 were active, and 1,471 persons did business with the 5 concerns. The selling cooperatives had a business volume of \$364,870 and the purchasing cooperatives did \$106,253 worth of business.

Cooperatives may both buy and sell or they may perform one or the other function exclusively. Purchasing cooperatives buy non-farm commodities for distribution to their members and patrons, and selling cooperatives market farm commodities for their members and patrons. 16/

#### Fruit

The greatest number of apple trees, 65,090, was listed in 1874, but the greatest production, 49,464 bushels, was recorded in 1884. In 1934 there were only 12,297 apple trees and 3,038 bushels. In 1909, the record year for plums,

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10/ Unless otherwise indicated, rural population figures were obtained by deducting the urban from the total population.

11/ Census of Iowa. 1925. pp. 712-713. 1926.

12/ Ibid. pp. 925 et seq.

13/ Iowa Official Register, 1937-1938. Thirty-seventh Number. pp. 368 et seq.

14/ United States Bureau of the Census. United States Census of Agriculture: 1935. Iowa. p. 14.

15/ United States Bureau of the Census. Fifteenth Census of the United States: 1930. Populations. Vol. III, Part 1, Tables 18-19. pp. 785-788.

16/ Unpublished data from: Omaha Farm Credit Administration and Iowa State College.



there were 8,807 trees and 2,041 bushels. There were 21,353 peach trees in 1909, but the greatest production, 1,073 bushels, occurred in 1934. In the peak year for grapes, 1894, 20,158 vines yielded 120,758 pounds. The greatest number of cherry trees, 13,816, was listed in 1874, but the greatest production, 3,172 bushels, was recorded in 1909. 17/

#### Note Regarding Yields of Corn

The crop assessors' statistical breakdown for corn acreage is as follows: (1) all corn, (2) corn husked for grain, (3) corn cut for silage, (4) corn cut for fodder and (5) corn hogged off. A total production is given for each farm which includes only that actually husked. In getting county totals of production, the acreage other than that husked is multiplied by the yield (derived by dividing total bushels corn husked by total acres husked) and added to summations of individual farm productions shown as husked. This assumes that acreage not husked would have produced the same yield as that actually husked.

In 1934 and 1936, both poor crop years, separate estimations of corn yield on acreage not husked were made by the State assessors' office because it was felt that farmers in those years would select their best acreages for husking and cut or hog off the rest, which would have a different and lower yield. This separate yield estimation was then multiplied by the acreage not husked and the total added to that reported as husked.

This was done by counties only and not by townships. The township yields for these two years, then, are somewhat high since they are based only on acreage husked for grain and bushels husked. The total corn acreage is shown by township with this yield, and any attempt to multiply it by the acreage shown to get total production will result in a too high figure. The county summary table figures for corn yield in 1934 and 1936 have been adjusted for poorer yields on that acreage not husked and these yields may legitimately be multiplied by the acreages shown there to arrive at total productions for the county.

In all other years actual township productions may be derived from the yield and acreage figures shown in the tables since corn yield has been assumed to be equal in all utilizations. The county yield and township yields are, therefore, consistent in all years except 1934 and 1936.

- 
- 17/ Sources: 1. Census of Iowa. 1875, 1885, 1895.  
 2. United States Bureau of the Census. Thirteenth Census of the United States: 1910. Agriculture: Iowa. Bulletin.  
 3. United States Bureau of the Census. United States Census of Agriculture: 1935. Iowa Statistics by Counties, Second Series. 1936.



TABLE 1  
LAND UTILIZATION AND YIELDS, 1929-1938  
County Summary

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WINTER WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	1342	230662	172	70017	37	25163	31	12835	17	1003	22
1930	1377	228778	166	70005	34	27758	32	12045	19	533	22
1931	1359	231936	171	74161	39	26729	34	8753	20	523	22
1932	1415	230719	163	74580	48	28148	33	6173	18	332	25
1933	1380	229249	167	70132	42	26002	24	6949	20	349	13
1934	1433	231745	162	56796	22	4760	6	8926	12	-	-
1935	1371	233936	171	60149	38	14078	31	7028	15	18	20
1936	1402	236314	169	71152	20	19601	22	8785	21	13	8
1937	1345	236500	176	73215	53	22487	56	13915	17	54	33
1938	1374	239226	174	66239	45	24652	34	9944	20	114	29
10 Yr. Ave.	1380	232966	169	68645	38	21938	32	9535	18	294	22
Year	RYE		SOYBEANS		GRASS SEED			TAME HAY			
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres		
1929	1216	11	245	17	1477	2245	-	692	20229		
1930	1554	10	933	16	707	612	-	1002	18889		
1931	1066	10	908	18	1271	1747	64	978	20800		
1932	1013	9	902	17	1237	1858	8	1110	20266		
1933	964	11	1473	13	1767	2886	-	1231	22670		
1934	1504	6	2673	17	573	549	13	1230	23961		
1935	1572	12	5793	17	4472	625	-	1738	25774		
1936	1684	12	4122	16	565	108	-	2149	21988		
1937	2400	14	6020	19	1367	-	2	1083	15266		
1938	1991	11	6301	20	1329	1613	18	1408	18333		
10 Yr. Ave.	1496	11	2937	18	1476	1224	10	1262	20814		
Year	Wild Hay	All Pasture	All Other Crops	Buildings, Feedlots, Highways	Woodlots for Tim- ber only	Waste- land	Idle Crop Land				
	Acres	Acres	Acres	Acres	Acres	Acres	Acres				
1929	120	77868	2108	7690	2925	3175	4591				
1930	107	73936	3206	8463	3198	3925	3519				
1931	83	77790	3493	7934	3488	3197	1676				
1932	64	78499	1775	8168	3359	3480	2715				
1933	103	75119	1986	7965	3438	4242	6730				
1934	179	85226	3526	8314	3009	4098	28187				
1935	197	84818	2529	8790	4907	3756	10055				
1936	124	82080	1926	9387	5089	4155	5643				
1937	135	77861	2554	9073	3625	5153	3373				
1938	145	79319	2922	9321	3632	6095	8871				
10 Yr. Ave.	126	79252	2602	8510	3667	4138	7536				

10 Year Average Acres: Spring Wheat 20; Flaxseed 15; Popcorn 3. (Acreages also shown in "All Other Crops")

Source: Division of Agricultural Statistics,  
Iowa Department of Agriculture.

\*Included in "All Tame Hay."

TABLE 2  
ACREAGE AND YIELDS OF HAY  
County Summary

Year	Mixed Clover & Timothy		Alfalfa		Wild Hay		All Tame Hay	
	Acres	Tons per Acre	Acres	Tons per Acre	Acres	Tons per Acre	Acres	Tons per Acre
1929	11,659	1.70	692	2.78	120	1.80	20,229	1.76
1930	10,619	1.40	1,002	2.96	107	1.20	18,889	1.49
1931	7,893	1.37	978	2.56	83	1.36	20,800	1.39
1932	6,977	1.45	1,110	2.65	64	1.00	20,266	1.50
1933	18,114	1.19	1,231	2.32	103	1.15	22,630	1.26
1934	11,125	.50	1,230	1.53	179	.60	23,961	.80
1935	13,033	1.38	1,738	2.51	197	1.25	25,774	1.37
1936	13,277	.80	2,149	2.00	124	.90	21,988	.89
1937	4,881	1.20	1,083	1.48	135	1.35	15,266	1.43
1938	9,848	1.63	1,408	2.30	145	1.25	18,333	1.57
10 Yr. Ave.	10,743	1.24	1,262	2.26	126	1.17	20,814	1.33

Source: Division of Agricultural Statistics,  
Iowa Department of Agriculture.

TABLE 3  
LAND UTILIZATION AND YIELDS

## Columbus City Township

Year	No. Farms	Acreages in Farms	Ave. Farm Size	CORN		OATS		WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	199	31682	159	8949	37	3600	31	792	18	46	23
1930	211	32591	154	9321	33	4089	32	629	18	35	28
1931	215	32842	153	9812	43	3818	39	707	19	74	27
1932	212	32506	153	9768	48	3800	35	356	17	60	31
1933	211	31933	151	9607	43	3933	24	267	18	88	18
1934	214	32628	152	8111	20	209	5	314	8	-	-
1935	205	32652	159	8565	38	2472	34	138	13	-	-
1936	212	32560	154	9513	18	3493	21	187	15	-	-
1937	209	32565	156	9836	53	3804	58	906	15	8	50
1938	190	33241	175	8990	45	4108	35	589	17	72	28
10 Yr. Ave	208	3252	156	9247	39	3333	3	488	17	38	3

Year	RICE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	11	14	9	12	138	256	-	61	3389
1930	15	8	30	16	101	49	-	68	3830
1931	-	-	8	11	160	135	-	88	3779
1932	-	-	82	16	108	343	-	104	3586
1933	-	-	79	7	87	353	-	127	3706
1934	29	2	210	15	55	59	-	104	2955
1935	23	12	352	14	785	40	-	152	4469
1936	10	5	474	14	18	16	-	130	3934
1937	40	20	761	18	138	-	-	85	2888
1938	33	9	866	18	174	387	-	218	3240
10 Yr. Ave	16	1	287	16	176	164	0	114	3578

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	-	13739	58	951	-	-	-
1930	-	13176	49	1186	-	-	130
1931	-	13463	56	965	-	-	-
1932	-	13413	75	1258	-	-	-
1933	-	12794	79	1209	3	44	37
1934	-	15400	253	1301	-	-	3791
1935	-	14290	63	1262	165	22	46
1936	-	13555	36	1312	-	8	20
1937	-	12911	11	1237	-	-	25
1938	-	12512	177	1412	184	497	387
10 Yr. Ave.	0	13525	86	1209	352	571	444

10 Yr. Ave. Acres - Spring Wheat 0

Flaxseed 0 Popcorn .1

(Acreages also shown in "All Other Crops")

\*Included in "All Tame Hay".

Source: Iowa Department of Agriculture

Division of Agricultural Statistics.

TABLE 4  
LAND UTILIZATION AND YIELDS

Concord Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	72	15226	211	5025	39	1638	27	929	18	94	27
1930	71	14685	207	4773	36	1675	32	763	20	121	24
1931	79	16780	212	5385	44	2036	35	492	19	24	40
1932	87	16033	184	5156	50	1721	31	338	18	53	25
1933	84	16122	192	5110	48	1656	28	504	22	94	14
1934	86	16773	195	4260	24	268	4	681	12	-	-
1935	82	16936	206	5229	44	859	33	251	14	-	-
1936	77	16299	212	5514	28	1507	26	292	23	-	-
1937	74	16407	222	5556	54	1523	58	671	17	10	52
1938	81	16977	210	5068	50	1797	36	655	20	5	24
10 Yr. Ave.	79	16224	205	5108	42	1468	33	558	18	40	24

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	263	10	15	12	50	-	-	108	1435
1930	329	10	54	10	-	-	-	124	963
1931	282	3	25	10	-	-	4	167	1523
1932	280	12	-	-	-	-	-	258	1707
1933	105	12	19	16	-	-	-	237	1740
1934	170	5	67	16	-	-	-	270	1814
1935	251	12	488	17	207	4	-	311	2366
1936	283	9	270	17	-	-	-	252	1434
1937	216	11	299	14	64	-	-	153	1510
1938	279	10	290	16	16	37	-	166	1406
10 Yr. Ave.	246	10	153	16	34	4	4	205	1590

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Tim- ber only Acres	Waste- land Acres	Idle Crops Land Acres
1929	-	4536	129	676	125	155	156
1930	-	4407	327	820	151	197	105
1931	-	5070	220	1024	194	377	124
1932	-	5111	190	907	148	134	288
1933	-	4855	288	697	120	466	468
1934	-	5440	492	765	128	194	2494
1935	-	5206	244	927	232	225	451
1936	-	5343	148	947	206	83	272
1937	-	4954	115	1046	216	126	101
1938	15	5617	266	910	272	106	275
10 Yr. Ave.	2	5054	242	872	179	206	473

10 Yr. Ave. Acres - Spring Wheat 4

\*Included in "All Tame Hay."

Popcorn .2 Flaxseed .5

Source: Iowa Department of Agriculture.

(Acreages also shown in "All Other Crops")

Division of Agricultural Statistics.

TABLE 5.  
LAND UTILIZATION AND YIELDS

Elliot Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	83	16539	199	4781	25	1424	25	2959	14	93	14
1930	84	16865	201	5668	30	2036	28	2765	20	78	24
1931	80	16084	201	5788	36	2258	28	1979	20	9	22
1932	86	16458	191	5778	47	2318	31	1974	19	-	-
1933	87	16307	187	5565	35	2280	20	1652	22	25	15
1934	85	16629	196	4527	21	1266	5	1961	21	-	-
1935	85	16516	194	4725	32	1354	28	2678	18	-	-
1936	87	17280	199	5479	17	1804	23	2852	25	-	-
1937	86	16669	194	5380	50	1923	51	3225	16	-	-
1938	82	16709	204	5002	40	1739	28	2745	19	-	-
10 Yr. Ave.	84	16606	197	5269	34	1840	28	2479	19	20	18

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	10	20	10	12	-	-	-	3	1210
1930	30	10	-	-	-	-	-	3	830
1931	-	-	-	-	-	-	-	-	1189
1932	35	16	-	-	-	-	-	-	1128
1933	34	12	-	-	-	-	-	-	1301
1934	117	5	-	-	-	-	-	-	1487
1935	159	11	133	12	-	-	-	-	1181
1936	73	9	151	14	-	-	-	19	1221
1937	135	20	250	17	-	-	-	85	504
1938	107	13	288	21	-	30	-	18	1065
10 Yr. Ave.	70	12	83	17	0	3	0	13	1112

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots Highways Acres	Wood Lots for Tim-ber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	-	5299	17	536	200	-	-
1930	-	5113	-	345	-	-	-
1931	-	4443	10	408	-	-	-
1932	-	4784	26	415	-	-	-
1933	-	4761	24	361	90	84	130
1934	-	4861	17	419	33	40	1901
1935	-	5037	20	403	610	-	216
1936	-	4429	-	381	805	-	85
1937	-	4515	-	426	295	-	16
1938	-	4909	-	381	247	102	124
10 Yr. Ave.	0	4815	11	408	228	23	247

10 Yr. Ave. Acres - Spring Wheat 0

Popcorn 0 Flaxseed 0 Source: (Acreage also shown in "All Other Crops").

\*Included in "All Tame Hay."

Iowa Department of Agriculture.  
Division of Agricultural Statistics.

TABLE 6  
LAND UTILIZATION AND YIELDS

Elm Grove Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	92	15561	169	5732	46	2627	40	75	21	74	23
1930	91	15824	174	6151	42	2720	39	105	21	2	21
1931	93	15862	171	6433	48	2616	41	-	-	-	-
1932	98	15631	160	6469	57	2609	40	5	26	-	-
1933	97	15763	162	6014	48	2606	33	65	30	-	-
1934	107	15653	146	4710	25	614	9	58	17	-	-
1935	101	15890	157	5167	48	1515	41	76	15	-	-
1936	106	15866	150	5875	20	1955	25	43	20	-	-
1937	91	15912	175	6161	65	2251	66	568	18	6	25
1938	93	15990	172	5600	53	2472	39	239	18	14	32
10 Yr. Ave.	97	15795	163	5831	47	2198	40	123	19	9	24

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Sweet Als. Cld. Acres	Glover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	-	-	11	25	181	217	-	-	1608
1930	20	12	171	20	97	88	-	80	1569
1931	2	34	75	17	82	71	-	20	1669
1932	-	-	38	19	86	94	-	64	1573
1933	12	7	116	18	119	189	-	82	1670
1934	-	-	226	21	60	84	-	56	2248
1935	12	25	655	19	422	49	-	54	2009
1936	21	12	230	18	10	-	-	74	1742
1937	76	22	486	21	110	-	2	47	1093
1938	13	23	644	23	56	42	-	98	1326
10 Yr. Ave.	16	18	265	20	122	83	2	58	1651

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	-	4335	17	568	152	181	-
1930	10	4042	-	586	175	176	-
1931	-	3958	-	721	134	167	5
1932	-	3853	3	670	163	155	7
1933	-	4180	4	583	85	276	33
1934	-	4976	124	562	28	232	1815
1935	-	4496	94	627	108	296	413
1936	-	4541	83	719	17	235	396
1937	-	3943	54	702	18	265	177
1938	-	4454	41	715	10	259	147
10 Yr. Ave.	1	4278	42	645	89	224	299

10 Yr. Ave. Acres - Spring Wheat 2

\*Included in "All Tame Hay".

Flaxseed 3 Popcorn 1

Source: Iowa Department of Agriculture

(Acreages also shown in "All Other Crops")

Division of Agricultural Statistics.

TABLE 7  
LAND UTILIZATION AND YIELDS

## Grand View Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	102	20906	205	6598	39	2057	31	1955	22	144	26
1930	97	20022	206	6067	38	2180	33	1681	20	87	17
1931	95	19334	209	6932	42	1910	33	934	23	54	23
1932	97	20025	206	7092	51	2149	30	498	17	22	22
1933	97	19086	206	6519	41	1980	24	1003	19	13	12
1934	91	17176	191	4478	23	203	3	728	8	-	-
1935	90	17223	191	4574	44	896	23	450	16	-	-
1936	109	21033	193	7048	26	1511	24	707	19	-	-
1937	107	21232	198	7245	56	1903	59	1606	18	-	-
1938	117	22430	192	6739	53	2186	32	1388	20	4	10
10 Yr. Ave.	100	19992	200	6330	43	1698	33	1095	19	33	22

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	60	8	116	18	-	27	-	95	1701
1930	75	9	153	16	-	-	-	110	1726
1931	10	8	142	18	97	-	60	124	1629
1932	35	11	201	19	62	-	8	96	1331
1933	7	8	286	10	192	75	-	137	1645
1934	10	5	197	17	-	-	-	80	2348
1935	23	9	390	16	129	10	-	184	2215
1936	10	7	440	16	-	-	-	307	1946
1937	74	10	543	20	30	-	-	193	1363
1938	51	10	427	22	103	279	-	197	1617
10 Yr. Ave.	36	9	290	17	61	39	7	152	1752

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots, for Tim- ber only Acres	Waste- land Acres	Idle Crops Land Acres
1929	-	6933	157	796	80	303	6
1930	-	6180	209	910	106	578	70
1931	-	6635	202	831	60	388	-
1932	-	7218	183	791	55	380	-
1933	-	6826	163	742	-	418	187
1934	-	6794	277	616	-	-	1525
1935	-	7627	189	604	5	110	11
1936	3	7032	336	858	128	710	254
1937	-	6278	349	918	25	813	85
1938	5	6851	592	1024	217	664	562
10 Yr. Ave.	8	6842	266	809	63	436	270

10 Yr. Ave. Acres -- Spring Wheat 0 \*Included in "All Tame Hay."

Popcorn 1 Flaxseed 6 Source: Iowa Department of Agriculture.

(Acreages also shown in "All Other Crops.") Division of Agricultural Statistics.

TABLE 8  
LAND UTILIZATION AND YIELDS

Jefferson Township

Year	No. Farms	Acreages in Farms	Ave. Farm Size	CORN		OATS		WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	71	14130	197	3934	33	824	24	1110	13	65	15
1930	67	13310	199	4085	30	1395	30	1129	19	20	23
1931	72	14240	198	4658	34	1302	31	1066	18	55	24
1932	69	13961	202	4303	46	1517	31	657	18	25	22
1933	74	13554	183	3438	34	966	23	743	16	30	4
1934	74	14117	191	2865	21	187	4	1228	10	-	-
1935	76	14030	185	3272	31	555	23	769	13	18	20
1936	72	13354	192	3590	19	916	20	969	19	13	8
1937	76	14020	185	3706	51	830	43	1464	18	-	-
1938	70	13809	197	3426	36	901	29	1122	26	6	40
10 Yr. Ave.	72	13904	193	2728	34	951	29	1025	17	23	18

Year	RYE		SORGHUMS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	-	-	14	24	37	144	-	59	1021
1930	27	14	36	19	14	108	-	103	730
1931	26	12	77	18	46	238	-	92	1022
1932	19	10	30	14	30	199	-	78	878
1933	67	11	89	13	51	243	-	106	1048
1934	101	7	223	14	-	18	-	100	1195
1935	91	16	379	12	150	15	-	126	1122
1936	144	15	206	15	51	36	-	161	923
1937	167	15	463	19	41	-	-	93	528
1938	126	21	478	19	33	134	-	79	863
10 Yr. Ave.	77	14	200	16	45	114	0	100	935

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots For Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	-	4862	-	423	35	359	1383
1930	-	4892	-	324	35	443	160
1931	-	4647	-	383	329	629	-
1932	-	4962	10	345	-	937	248
1933	-	4617	14	445	-	792	1254
1934	66	4873	50	410	55	1236	1628
1935	-	5084	28	464	80	1053	875
1936	16	5126	65	451	162	847	375
1937	8	4995	149	443	106	580	530
1938	-	4934	36	478	185	756	465
10 Yr. Ave.	9	4899	35	423	99	763	692

10 Yr. Ave. Acres - Spring Wheat 0Flaxseed .5 Popcorn .1

(Acreages also shown in "All Other Crops")

\*Included in "All Tame Hay".

Source: Iowa Department of Agriculture  
Division of Agricultural Statistics.

TABLE 9  
LAND UTILIZATION AND YIELDS

Marshall Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	106	15224	144	4607	42	1870	30	509	19	138	22
1930	106	15000	142	4626	37	2276	34	481	21	75	24
1931	115	16225	141	4652	40	1813	36	487	18	65	14
1932	121	16635	137	4881	52	2369	34	77	22	14	10
1933	119	16617	140	4816	43	2178	23	229	20	-	-
1934	143	16817	118	3864	25	120	7	252	8	-	-
1935	117	16631	142	3942	37	787	30	95	17	-	-
1936	117	15774	135	4511	22	1166	20	309	18	-	-
1937	110	15777	143	4539	57	1436	62	562	16	-	-
1938	110	15220	138	4231	47	1793	36	418	18	-	-
10 Yr. Ave	116	15992	137	4467	29	1586	34	342	18	29	20

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	1	20	13	8	190	692	-	2	1449
1930	-	-	84	13	83	132	-	2	1470
1931	-	-	79	12	170	297	-	3	1291
1932	-	-	43	15	188	269	-	3	1717
1933	-	-	69	16	174	371	-	9	1798
1934	-	-	287	16	173	175	-	8	1636
1935	1	7	346	13	579	95	-	23	1666
1936	4	3	359	16	117	7	-	34	1442
1937	45	14	475	19	104	-	-	46	760
1938	30	18	394	22	144	259	-	43	1006
10 Yr. Ave.	9	15	215	17	192	230	0	17	1424

Year	Wild Hay Acres.	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots Highways Acres	Wood Lots for Tim- ber only Acres	Waste- land Acres	Idle Crops Land Acres
1929	-	5786	76	333	147	15	90
1930	-	5204	77	490	98	36	-
1931	-	6924	44	393	257	-	50
1932	-	6490	44	391	383	38	-
1933	-	6271	34	335	388	112	163
1934	-	7306	56	441	560	25	2097
1935	-	7264	151	440	557	50	753
1936	-	6832	4	514	292	72	152
1937	-	6571	142	574	262	83	176
1938	-	5380	75	479	309	131	321
10 Yr. Ave	0	6453	70	444	325	56	330

10 Yr. Ave. Acres - Spring Wheat 10

\*Included in "All Tame Hay."

Popcorn .3 Flaxseed .1

Source: Iowa Department of Agriculture.

(Acreages also shown in "All Other Crops").

Division of Agricultural Statistics.

TABLE 10  
LAND UTILIZATION AND YIELDS

Morning Sun Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	137	23080	168	7064	43	3487	34	414	18	54	19
1930	157	23080	147	7040	36	3621	36	274	20	15	20
1931	123	23080	188	7272	42	3349	38	136	20	12	20
1932	144	23071	160	7369	49	3439	36	90	16	15	20
1933	128	23081	180	7214	45	2870	26	156	14	-	-
1934	130	22934	176	5921	20	727	8	10	2	-	-
1935	132	23080	175	6162	41	1556	33	47	13	-	-
1936	134	23080	172	6983	20	2005	21	98	12	-	-
1937	120	23080	192	7318	58	2790	59	420	16	-	-
1938	128	23326	182	7126	47	2791	37	221	20	-	-
10 Yr. Ave.	133	23089	173	6947	41	2664	35	187	17	10	19

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	30	10	7	14	730	593	-	35	1888
1930	19	11	115	14	317	172	-	82	2032
1931	19	10	81	13	497	481	-	64	2291
1932	20	14	56	18	485	408	-	73	2095
1933	3	10	125	16	866	551	-	64	2539
1934	-	-	294	18	285	101	-	88	2914
1935	9	25	772	23	1347	192	-	217	2628
1936	5	8	555	22	274	-	-	257	2260
1937	36	23	1028	22	672	-	-	49	1191
1938	45	21	1335	22	651	90	-	133	1495
10 Yr. Ave.	19	16	437	22	612	259	0	106	2133

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots Highways Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	-	7963	72	581	790	-	-
1930	-	7899	111	868	769	-	-
1931	-	7854	98	753	719	-	-
1932	-	7874	129	751	748	-	-
1933	-	7395	126	846	773	28	140
1934	-	8685	303	785	376	6	2628
1935	-	8021	252	941	694	26	625
1936	-	8850	172	861	686	3	328
1937	-	7817	142	697	825	4	140
1938	-	8493	177	660	207	4	121
10 Yr. Ave.	0	8065	158	774	659	7	398

10 Yr. Ave. Acres - Spring Wheat 1

Popcorn 0 Flaxseed 2  
(Acreages also shown in "All Other Crops")

\*Included in "All Tame Hay."

Source: Iowa Department of Agriculture.  
Division of Agricultural Sta-  
tistics.

TABLE 11  
LAND UTILIZATION AND YIELDS

## Oakland Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	75	13451	179	4199	24	1715	21	186	14	15	17
1930	77	12965	168	3903	26	1817	24	214	17	8	22
1931	79	13647	173	4372	27	1830	20	166	16	8	25
1932	82	13568	165	4294	30	1773	25	152	15	-	-
1933	82	13436	164	4130	35	1547	19	126	18	-	-
1934	79	13464	170	3838	23	714	6	116	4	-	-
1935	73	12345	169	3685	32	847	22	7	9	-	-
1936	73	12251	168	4237	17	1261	20	97	21	-	-
1937	77	13277	172	4458	41	1133	44	155	16	-	-
1938	79	13606	172	3802	37	1271	26	128	16	-	-
10 Yr. Ave.	78	13201	170	4092	29	1391	23	135	15	3	21

Year	RICE		SODIUMS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	326	7	-	-	-	-	-	34	843
1930	335	8	-	-	14	-	-	41	802
1931	243	6	-	-	15	-	-	34	654
1932	176	5	-	-	-	-	-	25	768
1933	179	6	-	-	-	-	-	36	979
1934	262	3	-	-	-	-	-	63	1322
1935	174	8	28	11	-	-	-	58	1712
1936	187	8	21	11	-	-	-	179	1626
1937	118	11	-	-	-	-	-	70	1509
1938	93	6	128	13	-	-	-	23	1654
10 Yr. Ave.	209	7	18	13	3	0	0	56	1187

Acres	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	-	4939	152	357	118	210	341
1930	-	4265	247	415	19	390	536
1931	-	5158	418	356	-	217	210
1932	-	5302	299	309	38	17	440
1933	29	4978	286	358	20	122	682
1934	14	5165	198	359	-	93	1383
1935	3	4830	165	375	-	26	493
1936	-	4063	107	450	-	14	188
1937	-	5139	159	374	-	176	56
1938	5	5406	184	367	-	132	436
10 Yr. Ave.	5	2930	222	372	20	140	476

10 Yr. Ave. Acres - Spring Wheat 0

Popcorn 0 Flaxseed 0

Acreages also shown in "All Other Crops")

\*Included in "All Tame Hay".

Source: Iowa Department of Agriculture.  
Division of Agricultural Statistics.

TABLE 12  
LAND UTILIZATION AND YIELDS

Port Louisa Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	104	18858	181	5779	37	1535	35	1680	19	37	17
1930	107	18884	176	5419	34	1075	29	1710	17	20	20
1931	104	17731	170	5559	33	1046	33	1471	21	150	17
1932	103	17133	166	5331	44	1476	27	1037	17	75	27
1933	100	18320	183	4339	39	1206	21	1195	20	-	..
1934	109	20234	186	3513	24	174	11	2033	10	-	..
1935	96	20291	211	3388	34	396	29	1535	12	-	..
1936	96	20298	211	4687	22	757	21	1932	17	-	..
1937	96	20238	211	4966	48	774	58	2139	18	-	..
1938	92	20260	220	3609	38	931	31	974	20	-	..
10 Yr. Ave.	101	19227	191	4659	36	937	31	1571	17	28	20

Year	RYE		SOYBEANS		GRASS SEED			TALL GRASS	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	180	15	32	18	2	56	-	13	1509
1930	290	9	95	17	20	23	-	50	1166
1931	143	9	199	19	49	70	-	66	1266
1932	61	10	230	11	8	65	-	54	1340
1933	148	9	278	14	45	321	-	52	2042
1934	209	6	500	19	-	12	-	69	1842
1935	366	13	568	18	16	40	-	134	1537
1936	498	11	656	17	-	35	-	172	1229
1937	810	12	718	16	4	-	-	63	1015
1938	468	10	502	20	20	153	-	43	1197
10 Yr. Ave.	317	11	378	17	16	78	0	72	1414

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crops Land Acres
1929	120	4123	353	818	370	300	2022
1930	97	4235	839	841	678	728	1671
1931	83	4940	803	403	468	235	916
1932	64	4289	535	577	430	350	1330
1933	74	4305	530	665	620	495	2373
1934	99	5487	775	849	589	980	3214
1935	184	5352	503	856	676	838	4046
1936	105	5249	465	828	753	870	2269
1937	127	4685	560	820	749	1219	1633
1938	120	4563	719	830	701	1231	4395
10 Yr. Ave.	107	4723	608	748	603	730	2368

10 Yr. Ave. Acres - Spring Wheat 0 \*Included in "All Tame Hay."

Popcorn .1 Flaxseed 2 Source: Iowa Department of Agriculture.

(Acreages also shown in "All Other Crops"). Division of Agricultural Statistics.

TABLE 13  
LAND UTILIZATION AND YIELDS

## Union Township

Year	No. Farms	Acreages in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	87	14880	171	4263	36	1544	28	250	17	10	20
1930	86	15517	180	4458	33	1985	27	137	18	14	34
1931	86	15296	178	4383	38	1935	30	29	22	40	28
1932	84	14880	177	4147	45	1736	32	193	14	68	22
1933	84	14657	174	3962	37	1706	23	183	18	84	11
1934	84	14940	178	3395	24	120	4	272	9	-	-
1935	87	17454	201	3696	35	1139	27	30	16	-	-
1936	87	17458	201	4203	19	1331	17	137	15	-	-
1937	86	17441	203	4496	49	1756	50	499	19	30	23
1938	83	17440	210	4042	42	1967	28	245	15	9	30
10 Yr. Ave.	85	15996	187	4104	37	1522	29	198	16	26	20

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	-	-	-	-	33	137	-	109	1921
1930	4	20	38	12	55	20	-	105	1600
1931	-	-	6	11	90	209	-	102	1774
1932	-	-	-	-	192	107	-	105	1547
1933	-	-	32	9	85	243	-	95	1671
1934	-	-	125	9	-	35	-	129	1444
1935	25	11	198	12	468	10	-	176	1825
1936	-	-	122	8	45	-	-	191	1713
1937	58	20	160	21	84	-	-	92	1214
1938	60	11	195	15	52	164	10	217	1523
10 Yr. Ave.	15	15	88	13	110	92	1	132	1623

Year	Wild Hay Acres	All Pasture Acres	All Other Crop Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Timber only Acres	Waste land Acres	Idle Crop Land Acres
1929	-	5830	17	471	41	490	10
1930	-	5967	48	591	198	342	80
1931	-	5745	82	517	465	127	103
1932	-	6134	49	514	216	74	10
1933	-	5533	69	504	324	342	162
1934	-	6920	84	522	337	186	1535
1935	10	7597	116	543	977	122	708
1936	-	7816	15	602	1000	120	354
1937	-	7305	24	598	214	1003	-
1938	-	6987	30	586	312	1026	396
10 Yr. Ave.	1	6583	53	545	408	383	336

10 Yr. Ave. Acres - Spring Wheat .5-  
Flaxseed .4 Popcorn .5  
(Acreages also shown in "All Other Crops")

\*Included in "All Tame Hay".

Source: Iowa Department of Agriculture  
Division of Agricultural Statistics.

TABLE 14  
LAND UTILIZATION AND YIELDS

Wapello Township

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	158	28839	183	8374	38	2517	30	1976	17	223	22
1930	175	29210	167	8356	33	2871	30	2103	20	58	19
1931	163	29286	180	8555	38	2760	33	1261	19	32	22
1932	173	29804	172	9728	47	3144	33	796	19	-	-
1933	169	29115	172	9139	41	3066	23	796	20	10	8
1934	173	29244	169	7070	24	154	6	1236	12	-	-
1935	172	29852	174	7483	37	1562	33	951	16	-	-
1936	181	29572	163	9220	19	1847	22	1157	20	-	-
1937	172	29116	169	9354	51	2255	53	1668	17	-	-
1938	180	29226	162	8409	40	2661	34	1191	17	4	44
10 yr. ave.	172	29326	171	8569	38	2284	32	1314	18	33	22

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	335	13	18	21	96	123	-	169	2084
1930	410	12	157	17	6	15	-	229	2136
1931	334	14	216	21	65	246	-	213	2665
1932	387	11	222	22	78	373	-	245	2555
1933	409	13	380	13	148	497	-	281	2430
1934	606	7	544	17	-	43	13	255	2702
1935	438	10	1464	16	355	170	-	294	2997
1936	449	16	638	13	50	14	-	365	2449
1937	627	15	797	17	120	-	-	107	1682
1938	677	10	754	20	80	38	8	169	1926
10 yr. ave.	467	12	519	17	100	152	2	233	2363

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Timber only Acres	Waste-land Acres	Idle Crop Land Acres
1929	-	8694	1059	982	790	1122	569
1930	-	8249	1290	1048	963	876	687
1931	-	8571	1557	1132	862	1008	268
1932	-	8607	232	1198	1161	1304	392
1933	-	8210	369	1133	973	1028	1024
1934	-	8808	882	1250	887	1102	3990
1935	-	9589	703	1318	793	913	1286
1936	-	8779	493	1419	1032	1124	915
1937	-	8432	847	1198	903	804	429
1938	-	8194	619	1432	982	1133	1156
10 yr. ave.	0	8613	805	1211	935	1041	1072

10 Yr. Ave. Acres - Spring Wheat 3  
 Popcorn 4 Flaxseed 0  
 (Acreages also shown in "All Other Crops")

\*Included in "All Tame Hay."  
 Source: Iowa Department of Agriculture.  
 Division of Agricultural Sta-  
 tistics.

TABLE 15  
LAND UTILIZATION AND YIELDS

Total Incorporated Town Data - Columbus Junction, Cotter, Letts, Morning Sun,  
Oakville

Year	No. Farms	Acreage in Farms	Ave. Farm Size	CORN		OATS		WIN. WHEAT		BARLEY	
				Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.	Acres	Ave. Yld.
1929	56	2286	41	712	36	327	33	-	-	10	24
1930	48	825	17	138	34	18	36	54	25	-	-
1931	55	979	18	360	42	56	32	25	36	-	-
1932	59	1014	17	264	60	97	41	-	-	-	-
1933	48	958	20	279	38	8	30	30	22	-	-
1934	58	1106	19	244	21	4	10	37	7	-	-
1935	55	1036	19	261	29	40	39	11	10	-	-
1936	51	989	19	292	21	48	23	5	30	-	-
1937	41	761	19	200	48	39	43	32	20	-	-
1938	69	992	14	195	36	35	34	29	17	-	-
10 Yr. Ave.	54	1095	20	294	37	67	35	22	21	1	24

Year	RYE		SOYBEANS		GRASS SEED			TAME HAY	
	Acres	Ave. Yld.	Acres	Ave. Yld.	Timothy Acres	Red & Als. Clo. Acres*	Sweet Clover Acres	Alfalfa Acres*	All Tame Hay Acres
1929	-	-	-	-	20	-	-	4	171
1930	-	-	-	-	-	-	-	5	15
1931	8	9	-	-	-	-	-	5	48
1932	-	-	-	-	-	-	-	5	41
1933	-	-	-	-	-	41	-	5	61
1934	-	-	-	-	-	22	-	8	54
1935	-	-	20	18	14	-	-	9	47
1936	-	-	-	-	-	-	-	8	69
1937	-	-	40	20	-	-	-	-	9
1938	-	-	-	-	-	-	-	4	15
10 Yr. Ave.	1	9	6	19	3	6	0	5	53

Year	Wild Hay Acres	All Pasture Acres	All Other Crops Acres	Bldgs., Feed Lots, Highways Acres	Wood Lots for Tim- ber only Acres	Waste- land Acres	Idle Crop Land Acres
1929	-	779	1	135	77	40	14
1930	-	307	9	39	6	159	80
1931	-	382	3	48	-	49	-
1932	-	462	-	42	17	91	-
1933	-	394	-	37	42	35	72
1934	-	511	15	35	16	4	186
1935	-	425	1	50	10	25	132
1936	-	415	2	45	8	69	36
1937	-	316	2	31	12	80	-
1938	-	519	6	47	6	54	86
10 Yr. Ave.	0	451	4	51	19	61	61

10 Yr. Ave. Acres - Spring Wheat 0

Popcorn 0 Flaxseed 0  
(Acreages also shown in "All Other Crops")

\*Included in "All Tame Hay".

Source: Iowa Department of Agriculture.  
Division of Agricultural Statistics.

TABLE 16  
COUNTY LIVESTOCK NUMBERS  
January 1

Year	All Cattle*	Milk Cows	Horses	Mules	Sheep	Hogs
1870	20,699	6,412	8,282	522	-	53,779
1880	23,695	5,950	8,257	459	2,958	38,064
1890	31,322	6,915	10,325	187	1,648	40,203
1900	28,842	6,763	12,205	422	14,734	52,484
1910	24,439	5,878	11,772	351	4,338	58,031
1920	24,768	4,890	9,870	580	3,006	67,859
1925	24,884	5,848	8,356	572	3,720	76,635
1930	22,265	6,393	6,668	492	7,502	72,905
1935	26,300	7,362	5,800	438	7,789	51,358
1936	28,169	7,194	5,286	474	9,264	54,477
1937	25,368	6,914	5,260	438	7,734	57,690
1938	25,785	6,966	4,814	413	6,630	63,128
1939	26,441	6,924	4,670	376	6,624	65,405

The figures in this table for the years 1870-1935, inclusive, have been derived from the Federal Censuses for Iowa. These enumerations have been made as of different dates. Some enumerations were for a base date of January 1, others for a base date of April 1, and others for June 1.

The census enumerations made in 1920, 1925 and 1935 were for January 1. For comparability the enumerations made for the base dates of April 1 and June 1 were adjusted to an equivalent January 1 base. This adjustment procedure places the livestock data of the above table on the one inventory date of January 1.

The figures for 1936, 1937, 1938 and 1939 for all cattle and milk cows are estimates of the Division of Agricultural Statistics of the Iowa Department of Agriculture and those for horses, mules, hogs and sheep are adjusted State farm assessors' figures.

The adjusted county figures for horses, mules, hogs and sheep for the last four years on the table are more nearly accurate than those in Table 17 and comparison with these figures will provide an estimate of the bias displayed by the unadjusted State farm assessors' figures.

\*Includes Milk Cows.

TABLE 17  
LIVESTOCK NUMBERS  
By Townships

Township	1936					1937				
	Horses	Mules	Cattle	Sheep	Hogs	Horses	Mules	Cattle	Sheep	Hogs
Columbus City	738	49	4485	722	7934	719	52	3352	850	6846
Concord	341	28	2306	452	4036	304	33	2214	494	4442
Elliott	349	10	1145	650	1992	299	15	1077	21	1639
Elm Grove	414	29	2793	606	5697	440	25	1942	493	5915
Grand View	335	18	1894	376	3450	519	26	2467	526	5304
Jefferson	228	33	1155	498	1672	231	26	1112	218	1797
Marshall	325	13	1554	452	2662	322	10	1251	381	2474
Morning Sun	536	24	2753	918	3534	469	27	2112	867	3118
Oakland	297	13	943	140	1477	282	15	1026	54	1718
Port Louisa	331	80	1520	411	2450	321	64	1360	369	2264
Union	363	21	2177	94	2789	325	25	1876	129	2604
Wapello	645	71	3581	699	4874	554	46	2827	659	4876
ALL TOWNS	3	-	43	-	41	6	-	14	-	-
COUNTY	4905	389	26349	6018	42411	4791	364	22630	5061	42997
Township	1938					1939				
	Horses	Mules	Cattle	Sheep	Hogs	Horses	Mules	Cattle	Sheep	Hogs
Columbus City	655	50	3694	1433	7980	672	46	3909	1064	9525
Concord	266	32	2451	334	4417	249	22	2472	393	4249
Elliott	272	18	1085	-	1848	250	12	1168	-	1884
Elm Grove	384	16	2296	121	6897	357	12	2353	167	7073
Grand View	429	20	2701	288	4828	418	20	3198	546	6138
Jefferson	208	19	1157	217	1934	169	20	1080	145	2333
Marshall	287	26	1320	362	2808	271	19	1250	224	2966
Morning Sun	443	29	2394	682	3210	498	27	2365	1199	4459
Oakland	275	17	867	6	1694	293	14	1061	90	2485
Port Louisa	318	63	1396	202	2657	283	65	1304	194	2535
Union	298	21	1738	360	3180	293	19	1735	163	3669
Wapello	583	40	3002	601	4450	546	45	3089	577	4747
ALL TOWNS	7	-	31	-	-	11	-	18	-	10
COUNTY	4425	351	24132	4606	45903	4310	321	25002	4762	52073

The statistics in this table are biased downward. They are printed only to permit inter-township and inter-annual comparisons. Unless townships are equal in size, comparisons may not be directly made. It is assumed that individual assessors are subject to approximately the same bias. Compare Table 16 for magnitude of the bias.

Source: Division of Agricultural Statistics,  
Iowa Department of Agriculture.

TABLE 18  
CREAMERY STATISTICS  
1905-1939

Year	Number of Creameries In County	Butter Made	Butter Sold in Iowa	Butter Sold Out of Iowa
		Thousand Pounds	Thousand Pounds	Thousand Pounds
1905	*	*	*	*
1906	*	*	*	*
1907	*	*	*	*
1908	*	*	*	*
1909	*	*	*	*
1910	*	*	*	*
1911	1	25	6	*
1912	1	23	9	15
1913	1	22	6	16
1914	1	14	3	11
1915	*	*	*	*
1916	*	*	*	*
1917	*	*	*	*
1918	*	*	*	*
1919	*	*	*	*
1920	*	*	*	*
1921	*	*	*	*
1922	*	*	*	*
1923	1	8	8	*
1924	1	6	6	*
1925	1	4	4	*
1926	2	27	4	24
1927	1	99	73	26
1928	1	139	46	92
1929	2	194	43	151
1930	2	393	52	331
1931	2	244	80	163
1932	2	318	140	176
1933	2	481	141	339
1934	2	474	185	288
1935	2	404	319	84
1936	2	256	338	75
1937	2	384	331	52
1938	2	430	378	52
1939	*	*	*	*

The sum of the two columns "Butter Sold in Iowa" and "Butter Sold Out of Iowa" is not intended to equal the second column "Butter Made", because stocks of butter on hand at the end of the year and butter used for miscellaneous purposes are not included in this table.

\*Not given in source.

Source: Division of Agricultural Statistics,  
Iowa Department of Agriculture.

TABLE 19  
CHICKENS AND EGGS  
1880-1935

Year	Chickens	Eggs Produced
	Number	Dozen
1880	71,861	314,275
1885	81,175	257,663
1890	170,845	516,389
1895	136,716	532,337
1900	130,688	646,880
1905	159,611	644,651
1910	201,601	625,297
1915	170,219	795,480
1920	175,800	768,651
1925	179,135	883,673
1930	152,387	958,916
1935	146,206	645,820

Source: U.S. Agricultural Census.  
Iowa Agricultural Census.

TABLE 20  
NUMBER OF FARMS REPORTING SPECIFIED ITEMS

Year	Number of Farms	GRAIN CROPS								
		Corn	Oats	Winter Wheat	Spring Wheat	Barley	Rye	Buck-wheat	Soy-beans	Flax-seed
1930	1377	1254	978	358	4	46	74	3	66	0
1932	1409	1267	973	237	4	21	56	0	71	0
1934	1432	1266	166	282	0	0	74	56	192	3
1936	1401	1229	773	272	0	1	75	1/	269	0
1938	1361	1237	935	348	0	10	99	1/	383	0
Average	1596	1251	765	299	2	16	76	20	196	1
Year		HAY CROPS								Wild Hay
		Pop-corn	Clover and Timothy	Alfalfa	Soy-bean	Grain Cut Green	Clover	Timothy	Sudan Grass	
1930	1	520	127	151	1/	190	154	14	151	7
1932	5	354	162	277	21	316	188	14	315	5
1934	2	264	147	644	59	204	106	29	749	13
1936	0	707	240	303	124	1/	1/	1/	78	9
1938	3	601	172	449	50	1/	1/	1/	87	9
Average	2	489	170	365	64	237	149	19	272	9
Year	GRASS SEED				All Pasture	LIVESTOCK				
	Timothy	Red & Alsike Clover	Sweet Clover	Horses		Mules	Cattle	Sheep	Hogs	Sows for Spring Tarrow
1930	31	42	0	1281	1/	1/	1/	1/	1/	887
1932	54	125	1	1311	1/	1/	1/	1/	1/	979
1934	12	35	0	1219	1/	1/	1/	1/	1/	887
1936	24	5	0	1273	1118	159	1180	249	1049	890
1938	70	126	2	1301	1099	144	1178	185	1059	964
Average	38	67	1	1277	1108	152	1179	217	1054	921
Year	EQUIPMENT				MISCELLANEOUS					Other Crops
	Trac-tors	Trucks	Autos	Radios	Pota-toes	Apples	Timber and Wood	Waste-land	Idle Crop Land	
1930	413	156	1036	597	486	130	105	226	67	259
1932	369	103	930	331	449	158	98	218	61	248
1934	408	85	1020	465	480	76	107	264	918	351
1936	622	92	1052	744	380	24	104	252	252	292
1938	718	117	1083	864	1/	1/	99	321	276	312
Average	506	111	1024	600	449	97	103	256	315	292

1/ Not given in source.

Source: Division of Agricultural Statistics,  
Iowa Department of Agriculture.

TABLE 21  
FARM AND LAND TENURE

Year	OWNERS				PART-OWNERS			
	No. of Farms	% of Total	No. of Farm Acres	% of Total	No. of Farms	% of Total	No. of Farm Acres	% of Total
1928	589	42.9	90,610	39.6	178	13.0	38,597	16.8
1930	666	48.4	102,091	44.6	120	8.7	28,821	12.6
1932	584	41.4	86,593	37.5	125	8.9	30,554	13.3
1934	564	39.4	80,497	34.7	141	9.8	33,244	14.4
1936	566	40.4	82,520	34.9	133	9.5	31,738	13.4
1938	560	41.1	88,491	37.0	143	10.5	35,128	14.7
1928 - 38 Average	588	42.2	88,467	38.0	140	10.1	32,980	14.2
Year	TENANTS				TOTALS			
	No. of Farms	% of Total	No. of Farm Acres	% of Total	No. of Farms	% of Total	No. of Farm Acres	% of Total
1928	605	44.1	99,911	43.6	1,372	100.0	228,918	100.0
1930	591	42.9	97,863	42.8	1,377	100.0	228,775	100.0
1932	700	49.7	113,571	49.2	1,409	100.0	230,718	100.0
1934	727	50.8	117,997	50.9	1,432	100.0	231,738	100.0
1936	702	50.1	122,045	51.7	1,401	100.0	236,301	100.0
1938	658	48.4	115,572	48.3	1,361	100.0	239,191	100.0
1928 - 38 Average	664	47.7	111,160	47.8	1,392	100.0	232,607	100.0

Source: Division of Agricultural Statistics,  
Iowa Department of Agriculture.

TABLE 22  
YEARS OF TENURE  
January 1, 1935

OWNERS	Louisa County		State of Iowa	
	Number of Farms	Percent of County Total	Number of Farms	Percent of State Total
On present farm less than 1 year	29	5.5	4,442	5.2
1 year	15	2.8	3,198	3.8
2 years	29	5.5	3,222	3.8
3 years	24	4.6	2,957	3.4
4 years	15	2.8	3,228	3.8
5-9 years	77	14.6	11,726	13.8
10-14 years	64	12.1	11,279	13.2
15 years and over	275	52.1	45,076	53.0
TOTALS	528	100.0	85,088	100.0
TENANTS				
On present farm less than 1 year	181	24.3	21,763	20.1
1 year	104	14.0	15,053	13.9
2 years	89	11.9	11,555	10.7
3 years	50	6.7	8,285	7.7
4 years	47	6.3	7,564	7.0
5 years and over	274	36.8	43,826	40.6
TOTALS	745	100.0	108,046	100.0

Source: U.S. Agricultural Census.



TABLE 24  
AUTOS, TRUCKS, TRACTORS AND RADIOS  
1926-1939

Year	Automobiles	Trucks	Tractors	Radios
1926	1,236	124	310	284
1927	1,352	122	360	424
1928	1,400	111	396	493
1929	1,330	145	411	531
1930	1,355	163	432	550
1931	1,319	164	430	619
1932	1,265	147	421	625
1933	1,160	105	383	324
1934	1,174	94	408	403
1935	1,171	89	421	508
1936	1,186	85	498	618
1937	1,204	96	651	748
1938	1,234	115	755	840
1939	1,233	119	797	890

Source: Division of Agricultural Statistics,  
Iowa Department of Agriculture.

TABLE 25  
ACREAGE OWNED BY CORPORATIONS  
January 1, 1937

Township	Insurance Companies	Banks	Land & Mort- gage Companies	Fed- eral Land Banks	Joint Stock Land Banks	Others	Total	% Farm Land Corpo- rate Owned
Columbus City	5045	-	680	75	833	106	4739	14.74
Concord	480	46	204	-	280	30	1040	6.31
Elliott	430	1742	30	160	395	2084	4841	28.47
Elm Grove	683	-	-	-	-	-	683	4.47
Grand View	746	802	626	-	480	330	2984	14.18
Jefferson	837	974	376	-	-	398	2585	17.63
Marshall	970	300	-	-	-	-	1270	8.98
Morning Sun	718	423	123	80	232	98	1674	7.67
Oakland	150	510	470	-	-	-	1130	8.99
Port Louisa	-	1723	2182	318	-	816	5039	24.81
Union	1825	330	497	119	350	480	3601	23.16
Wapello	553	1594	40	-	803	100	3090	11.18
County Total	10437	8444	5228	752	3373	4442	32676	14.29

Source: Department of Economics & Sociology,  
Iowa State College.

TABLE 26  
ACREAGE OWNED BY CORPORATIONS  
January 1, 1939

Township	Insurance Com- panies	Banks	Land & Mort- gage Com- panies	Fed- eral Land Banks	Joint Stock Land Banks	Others	Total	% Farm Land Corpo- rate Owned
Columbus City	3231	-	520	-	468	172	4391	13.65
Concord	720	106	244	-	-	62	1132	6.87
Elliott	590	1802	30	160	287	2730	5599	32.93
Elm Grove	693	80	-	-	-	-	773	5.05
Grand View	1174	390	626	-	280	826	3296	15.66
Jefferson	837	59	291	-	-	877	2064	14.08
Marshall	1190	300	-	260	-	-	1750	12.38
Morning Sun	691	443	80	240	-	80	1534	7.03
Oakland	170	430	470	180	-	-	1250	9.95
Port Louisa	-	314	589	318	-	1972	3193	15.72
Union	1585	330	330	-	350	647	3242	20.85
Wapello	553	1325	40	-	480	100	2498	9.04
County Total	11434	5579	3220	1158	1865	7466	30722	13.44

Source: Department of Economics & Sociology,  
Iowa State College.

TABLE 27  
VALUE OF FARM LAND AND BUILDINGS  
1880-1935

Year	Number of Farms*	Number of Acres*	Value of Land	Value of Buildings	Value of Land and Buildings	Value of Land & Bldgs.	
						Per Acre	Per Farm
1880	1,578	215,005	\$ -	\$ -	\$ 6,302,028	\$ 29.31	\$ 3,994
1890	1,395	215,005	-	-	6,608,530	30.74	4,737
1900	1,619	237,972	8,812,240	1,770,530	10,582,770	44.47	6,537
1910	1,543	236,934	21,509,372	3,322,354	24,831,726	104.80	16,093
1920	1,470	228,438	41,568,609	6,064,405	47,633,014	208.52	32,403
1925	1,542	232,911	26,912,705	6,501,015	33,413,720	143.46	21,669
1930	1,361	228,654	20,015,344	6,268,145	26,283,489	114.95	19,312
1935	1,460	233,156	-	-	- 13,260,789	56.88	9,083

\*Differences in numbers of farms and acres reported in this table and in other tables in this bulletin are due to differences in sources of data.

Source: U. S. Agricultural Census.

TABLE 28  
REAL PROPERTY AND MONEYS AND CREDITS TAXES  
COLLECTIBLE IN 1939, FOR ALL PURPOSES  
(Exclusive of Special Assessments)

	Cities And Towns	Rural Districts	Total for County
General State Tax	4,198.64	\$ 25,721.11	\$ 29,919.75
Soldiers' Bonus Tax	1,474.08	4,940.18	6,414.26
General County Tax	3,150.57	19,300.49	22,451.06
Court Expense Tax	840.15	5,146.79	5,986.94
Poor Tax	3,150.56	19,300.49	22,451.05
Insane Tax, State Hospital	840.15	5,146.79	5,986.94
Insane Tax, County Hospital	136.53	836.30	972.83
County School Tax	483.10	2,959.36	3,442.46
Soldiers' Relief Tax	525.09	3,216.76	3,741.85
General County Bond Tax	840.15	5,146.79	5,986.94
Court House Tax	1,081.68	6,626.47	7,708.15
Emergency Tax	2,100.37	12,866.98	14,967.35
Bovine Tuberculosis Eradication	-	-	-
Secondary Roads - Construction	1,050.19	14,475.36	15,525.55
Secondary Roads - Maintenance	3,938.21	62,018.86	65,957.07
District School Tax	44,337.59	172,103.57	216,941.16
City Tax	24,165.54	-	24,165.54
Miscellaneous Taxes	147.03	3,309.25	3,456.28
Total	\$92,959.63	\$363,115.55	\$ 456,075.18*

\*Includes special one mill tax on moneys and credits for Soldiers' Bonus Bonds.

Source: 1939 Report,  
State Board of Assessment and Review.

TABLE 29  
NUMBER OF SCHOOLS BY TYPE

Type of School	Number of Schools		
	1928-29	1933-34	1938-39
1. Kindergarten	1	1	2
2. One-room rural elementary	36	37	35
3. Two-room (or more) rural elementary	1	1	4
4. Elementary, not rural	10	9	10
5. Separately organized Jr. High	1	3	3
6. Jr.-Sr. High, one organization	2	-	1
7. Separately organized Sr. High	-	3	3
8. Regular High, 4 years or less	7	5	4
9. Junior College	-	-	-
Total Number of Schools	58	59	62

TABLE 30  
ENROLLMENT IN SCHOOLS BY TYPE

Type of School	Enrollment in Schools		
	1928-29	1933-34	1938-39
1. Kindergarten	47	71	68
2. One-room rural elementary	621	604	541
3. Two-room (or more) rural elementary	-	61	65
4. Elementary, not rural	1,390	1,480	1,216
5. *Jr.-Sr. High, one organization	281	644	816
6. Regular High, 4 years or less	525	267	175
7. Junior College	-	-	-
Total Enrollment in all Schools	2,864	3,127	2,881

\*Includes enrollment for School Types 5, 6 and 7 in Table 29.

Source: Annual Reports of County Superintendents to  
State Department of Public Instruction.

TABLE 31  
MILES OF ROADS BY TYPES  
January 1, 1939

Type of Surface	Primary Roads Outside Corporations	Secondary Roads		Total Mileage in Road System
		County Trunk	Local County	
Earth				
Unimproved	-	9.75	40.50	50.25
Improved	-	-	384.22	384.22
Surfaced				
Soil Surfaced	-	-	-	-
Shale	-	-	-	-
Gravel	27.7	23.10	47.23	98.03
Stone	-	54.60	48.64	103.24
Paved				
Bituminous	1.0	-	-	1.00
Concrete	32.0	-	1.00	33.00
Brick	-	-	-	-
County Total	60.7	87.45	521.59	669.74

Source: Annual Report, 1938,  
Iowa Highway Commission.



